PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 101045-G264	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
luternational application No. PCT/S/G2004/000413	International filing date (day/mon 15 December 2004	th/year) (Earliest) Priority Date (day/month/year) 15 December 2003
Applicant NATIONAL UNIVERSITY O	F SINGAPORE et al	
Article 18. A copy is being transmitted to the	e International Bureau.	Authority and is transmitted to the applicant according to
This international search report consists of a		
	y of each prior art document cited is	this report.
Basis of the report With regard to the language, the interior it was filed, unless otherwise indicates.	mational search was carried out on t d under this item.	he basis of the international application in the language in which
Authority (Rule 23.1()	b)).	ranslation of the international application furnished to this
		ed in the international application, see Box No. I.
2. Certain claims were found uns	·	•
3. Unity of invention is lacking (See Box No. III).	
4. With regard to the title,	•	
X the text is approved as submitted	d by the applicant.	
the text has been established by	this Authority to read as follows:	·
) .		
5. With regard to the abstract,		
X the text is approved as submitted	l by the applicant.	
the text has been established, according to the date of mail-	cording to Rule 38.2(b), by this Auting of this international search repo	hority as it appears in Box No. IV. The applicant may, within rt, submit comments to this Authority.
6. With regard to the drawings,		
a. the figure of the drawings to be public	thad with the abstract is Figure No.	
as suggested by the app	ilicant	
as selected by this Auth	ority, because the applicant failed t	o Suggest a figure.
as selected by this Auth	ority, because this figure better cha	racterizes the invention.
b. X none of the figures is to be public	shed with the abstract.	

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SG2004/000413

			PCT/SG2004/000413		
A.	CLASSIFICATION OF SUBJECT MATTER				
Int. Cl. ':	C08B 37/16; C07B 53/00, 63/02; B01D 15/0	8			
According to	International Patent Classification (IPC) or to both	national classification and IPC			
В.	FIELDS SEARCHED				
Minimura docu	amentation searched (classification system followed by c	lassification symbols)			
Documentation	searched other than minimum documentation to the ext	ent that such documents are included	in the fields pearshed		
Cycloosxuu	base consulted during the international search (name of n, beta(w)cyclodextrin cation, mono(w)cation, lution, resolve, enantio, chiral	data base and, where practicable, see ammonium, phosphonium, in	arch terms used) nidazolium, pyridinium,		
C.	DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where app		Relevant to claim No.		
P,X	US 2004/0106199 A1 (ELISEEV, A V)	3 June 2004	1-3, 7-8, 13		
	See page 2 column 2 paragraph 0011, Sc 1-10	heme 1, "Examples", exam	ple 4, claims		
x	WO 1997/049735 A1 (QUEEN'S UNIV	ERSITY AT KINGSTON)	31 1-3, 5-8, 10-		
	December 1997				
	See pages 2-3 and 5-6, example 1, claims	s 1-11			
. X	X JP 4-081401 (TOPPAN PRINTING CO LTD) 16 March 1992				
See page 2 column 2 compound (4) & PAJ abstract					
) X Fu	uther documents are listed in the continuation	of Box C X See pat	ent family annex		
"A" document	ingories of cited documents: defining the general state of the art which is "T" 1st	er document published after the internati	ional filing date or priority date and not in		
not considered to be of particular relevance conflict with the application but cited to understand the principle or theory underlying the invention					
"E" corlier app internation	olication or potent but published on or after the "X" do nat filing date or	cument of particular relevance; the claim cannot be considered to involve an inve	ned invention cannot be considered novel native step when the document is taken		
"I." document which may throw doubts on priority claim(s) "Y" document of particular relevance; the claimed invention cannot be considered to					
काओक्ट दां	or which is closed to establish the publication date of involve an inventive step when the document is combined with one or more other another citation or other special reason (as specified) such documents, such countries being observe to a reason shilled in the set				
or other m	published prior to the international filing date	current menther of the same patent famil	y		
bu: later th	an the priority date claimed				
Date of the actual 14 February 20	completion of the international search	Date of mailing of the internations 2 3 MAI			
Name and mailing	g address of the ISA/AU	Authorized officer			
AUSTRALIAN P PO BOX 200. Wo	ATENT OFFICE ODEN ACT 2606, AUSTRALIA				
6-mail address: pe Facsimile Vo. (0)	ct@lpaustralia.gov.au	CHRISTINE BREMERS			
10. (0.	-, vauv 3727	Tolephone No: (02) 6283 2313	3		

INTERNATIONAL SEARCH REPORT

International application No.

	PCT/SG2004/	000413
C (Continuist	ion). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
x	Abushoffa, A M et al, "Enhancement of selectivity and resolution in the enantioseparation of uncharged compounds using mixtures of oppositely charged cyclodextrins in capillary electrophoresis", Electrophoresis (2003) vol 24 pages 343-350 See abstract, page 343 column 2 paragraph 3-page 344 column 1 paragraph 1, Fig 1 compound B	1-3, 7-8, 13 26-30
X .	Galaverna, G et al, "Enantiomeric separation of chiral peptide nucleic acid monomers by capillary electrophoresis with charged cyclodextrins", Electrophoresis (2003) vol 24 pages 2698-2703 See abstract, page 2699 column 1 paragraph 3, page 2700 column 2 paragraph 3	1-3, 5, 10-1 13, 26-30
x	Yamamura, H et al "Capillary zone electrophoretic chiral discrimination using a cationic cyclodextrin derivative: determination of velocity and association constants of each enantiomer of the amino acid derivative with 6-trimethylammonio-deoxy-β-cyclodextrin", Electrophoresis (2001) vol 22 pages 478-483 See abstract, page 478 column 2 paragraph 1, page 479 compound 1, page 482	1-3, 7-8, 13 17, 19-22, 2 30
x	Christian, A B et al, "Comparison of the capacity of β-cyclodextrin derivatives and cyclophanes to shuttle cholesterol between cells and scrum lipoproteins", Journal of Lipid Research (1999) vol 40 pages 1475-1482 See Fig 1 last three compounds, page 1477 column 2 paragraphs 2, 4 and 5	1-3, 7-8, 1 16-17, 19-2
х	Nair, Usha B et al "Evaluation of two amine-functionalized cyclodextrins as chiral selectors in capillary electrophoresis: comparisons to vancomycin", Microchemical Journal (1997) vol 57 pages 199-217 See abstract, page 200 paragraph 4, page 201 paragraph 1, Fig 1	1-3, 7-8, 13 26-30
		·





Information on patent family members

International application No. PCT/SG2004/000413

This Amex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member					
US	2004106199	wo	2004050709		·	—+ 	
wo	9749735	AU	31617/97	ÇA	2257063	US	.5834446
JP	4081401	CA	2063454	EP	0485614	EP	0710672
		EP	0710673	JР	4081402	лъ	6080706
	•	U\$	5241059	wo	9118022		

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX